

Structure	Reference
on acture	ivererence
OH HO-P=0 HO::-OO OH H ₂ N N	Science 1997, 278(5336): 286-90
O OH OH OH CH ₃	
H³C N CH³	
HO NH CH ₃	
HO NH N N N N CH3	
H ₂ N CI H ₃ C CH ₃ N N H ₃ C CH ₃	

Structure	Reference
	1.0.0.0.00
H ₃ C CH ₃ N	
н _н ,с сн,	
O N CH3	
O S NH CH,	
HN Br	Cancer Res. 1999, 59, 2566
N-OH NH	
CH ₃	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
H ₃ C-N N S F		CH3 N	
N N N O H ₃ C		H ₂ N,,, N	
H ₃ C. N N N N N N O H ₃ C		L L N L N L N L N L N L N L N L N L N L	
DH N N O		N N CH₃	
		CH ₃ HN Br	
H ² C. N N N N N N O		CH ₃ O N S O CH ₃ N S	
OH N N N N N N N N N N N N N N N N N N N		CH ₃ CH ₃ N N CI CH ₃ CH ₃ CI CH ₃ CH ₃	J. Med. Chem. 1998, 41, 3276
N-NH N	Bioorg. Med. Chem. Lett. 2002, 12, 221-224	HN N N CH,	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
CI NH ₂ N N CCH ₃		H ₃ C. O	
HN CI OH			
H ₃ C CH ₃		H ₃ C. N N H N O	
		O-CH ₃ HN N N CH ₃ CH ₃ CH ₃	
H"CH ₃ OCH ₃ H ₃ C.NH		N N N N N N N N N N N N N N N N N N N	
OH CH ₃		CH ₃ O N F CH ₃	
		CH ₃ O N N N O O O O O O O O O O O O O O O	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure
		нй,
H ₃ C NH		H ₃ C ₁ O N
O EN CI		H ₃ C ₀
		F S O
NH ₂		H ₃ C,O
OH OH S-CH3		H ² C 0 N
		H ₃ C ₂ O N
CI NH ₂		The state of the s
H ₂ N N C CH ₃		CH ₃

Structure	Reference
H ₃ C, O N N N N N N N N N N N N N N N N N N	Bior.Med.Chem.Le tt. 2001, 11. 1401- 1405
H ₃ C _N , CH ₃ Br	
F S O CH ₃	
H ₃ C.ONNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN	
H ₃ C. 0 N N N N N N N N N N N N N N N N N N	·
H ₃ C OH	
CH3 NH	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
H ₃ C, N		O NH O OH	
OH CH ₃			
O H O H		O S S NH2	
H ₃ C CH ₃ CH ₃		O H O CH ₃	
OH O'CH3		N N N N N N N N N N N N N N N N N N N	
O=S-NH ₂ N-NH N-H ONH		OH Br	Bioorg. Med. Chem. Lett. 2000, 10, 223

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
H ₃ C. NH O		H ₃ C _N ,CH ₃	
O-N-H-		H ₂ N H	
S OH Br		H ₃ C CH ₃ O CH ₃	
H ₃ C CH ₃ O CH ₃ O OH		H ₃ C CH ₃	
N O CH ₃		H ₃ C O, CH ₃ O'S CH ₃ CH ₃ CH ₃	
		H ₃ C CH ₃ H ₃ C CH ₃	
OF NO CH ₃		H,C	Bioorg. Med. Chem. Lett. 2001, 11, 9-12

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
1 2 0	Bioorg. Med. Chem. Lett. 2001, 11, 9-12	н, с сн, о о о о о о о о о о о о о о о о о о о	
N. C.	Bioog.Med.Chem. Lett. 2000, 10, 2051-2054	H ₃ C CH ₃	
H ₃ C CH ₃		H ₃ C ₂ CH ₃ N ₁ N ₁ N ₂ N ₃ N ₄ N ₄ N ₅	
H ₃ C CHeH ₃		H ₃ C	
H ₃ C CH ₃ CH ₃			
H ₃ C CH ₃ CH ₃		CI PO OH NO	
H ₃ C CH ₃		NH O	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
		HZ O H	
CI HOCK CH3		H ₃ C NH O CH ₃	
CH ₃ H		N-NH NH NH NH	
HN Z=Z		N-NH	WO 9917770
ÇH₃		N-H N-H	
HN CH ₃		S N-N	
CI			
HN O H		N-N	
V N	WO 01/081311	H³C'O N-N,	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
CH ₃		F CI O NH2	
CH ₃		CI ON NH2	
H ₃ C F N N H		CI O NH,	
HN O NO		CI N F F H ₂ N O	
HN FF F	Bioorg. Med. Chem. Lett., 2000, 10, 567-569	CI S N	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
CH ₃		F O HO F N N N N N N N N N N N N N N N N N N	
_F		(N)	
H ₃ C NH ₂ NH		CI CI NH ₂	
H ₃ C NH ₂		H ₃ C CH ₃ CH ₃	
N N N N N N N N N N N N N N N N N N N		N-H O	
NH ₂ OF		CH ₃ N CH ₃	
H,C C N-S N-CH,		NH ₂ CH ₃	
	-	O. N. NH	
N N N N N N N N N N N N N N N N N N N		N-OH O CI CI	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
HN		H ₂ N , N N N N N N N N N N N N N N N N N N	
HN N N N N N N N N N N N N N N N N N N		H ₂ N, N N N CI	
HO CH ₃		H ₂ N ₂ , N ₂ N ₃ N ₄ N ₅ N ₇	
H ₂ N,, N		H ₂ N ,	
HN N FF		H ₂ N ₁ , N ₂ N ₃ N ₄ N ₅	:
		O-N-CH3	
H ₂ N,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ни сі	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
CH ₃ HN N O CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 1401-1405	HN N N	
CH ₃ HN N N OCH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 1401-1405	CH ₃ HN N N N N N N N N N N N N N N N N N N	Bioorg. Med. Chem. Lett. 2001, 11, 1401-1405
CH ₃ HN N N CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 1401-1405	H ₃ C-N N N N N N N N N N N N N N N N N N N	Bioorg. Med. Chem. Lett. 2001, 11, 1401-1405 Bioorg. Med. Chem. Lett. 2001, 11, 1401-1405
HN N	Bioorg. Med. Chem. Lett. 2001, 11, 1401-1405	H,C,O N N N N N N N N N N N N N N N N N N N	
HN N N N N N N N N N N N N N N N N N N	Bioorg. Med. Chem. Lett. 2001, 11, 1401-1405	H ₃ C, O N N N N N N N N N N N N N N N N N N	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
H,C.O		H ₂ C·O H _N NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN	
H³c O N		H _N C·O H _N N	
H ₃ C.O N OH		H ₃ C·O	
H ₃ C.O N N		H,c·O	
H ₃ C.0 N N N N N N N N N N N N N N N N N N N		H _N C.O	о ₋ сң,
H ₃ C·O N N CI		H,C.O.	
HN		H _C ·O	0
H,C.O N		H,C.O.	
H ₃ C·O		H _N C·O	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference
HN N N N N N N N N N N N N N N N N N N	
H ₃ C-O H _N N	
H ₃ C·O	
H ₃ C·O	
H,C·O	
H ₃ C ^{-O} H _N S	
H,C.O HN N	
NH ₂ O·CH ₃	

Structure	Reference
NH ₂ S NH ₂ NH ₂ NH ₂	
HO N N N CH ₃ CH ₃	
HO O CI HO N N N N CH ₃ HO CH ₃	
CH ₃ ZH Z ZH	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
H ₃ C O OH OH OH H ₃ C OH ₃ OH OH H ₃ C CH ₃	I COLOR OF THE PROPERTY OF THE	HN N N N CH ₃ C CH ₃	N. G. I G.
HO H ₃ C CH ₃	J. Med. Chem. 2000, 43, 4089- 4108	HN N N N CH ₃ CCH ₃ HO CH ₃ N N N C CH ₃ O CH ₃ O CH ₃ O CH ₃ O CH ₃	
HO CH N N N N N N N N N N N N N N N N N N		H ₃ C CH ₃	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
H ₃ C _N CH ₃ HN N N N N N CH ₃ C CH ₃		HN N N N N N N N N N N N N N N N N N N	
HN CI N N N HO CH ₃		H ₃ C N N N	
HN N N N N N N N N N N N N N N N N N N		HO CH ₃ HN N N CH ₃ CH ₃ CH ₃ CH ₃	
HN CI HN N N N N N CH ₃			
H ₃ C CH ₃		HO H ₃ C CH ₃	
		н,с Сн,	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
HO N N N CH ₃ CH ₃		HN N N CH ₃	
OH N N N N N N N N N N N N N N N N N N N		H ₃ C CH _N N N N N N N N N N N N N N N N N N N	
HO H ₃ C CH ₃		ON HN CI	Bioorg. Med. Chem. Lett. 2001, 11, 1922-1914
OH N N N N N N N N N N N N N N N N N N N		HN NH ₂ O=S-N ONH ₂ NH ₂	
OH N N N N N N N N N N N N N N N N N N N			

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
		N OH	
H ₃ C		HO HO NH ₂	
ÇH ₃		HN CH ₃ OH	
NH ₂ N N N N C CH ₃		H ₃ C. _N .CH ₃ CI F HN N	
H ₃ C·O N N		H ₃ C O N CI F	
		H, C, N, O, C, C, H, S, C,	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
O=H _N O CH ₃		H ₃ C.	
H ₂ N NH O=\$=0		H ₃ C ₂ O NH H ₃ C N CH ₃	
N O OH CH ₃ OH CH ₃ OH CH ₃		H ₃ C CH ₃ NH ONH OCH ₃ H ₃ C CH ₃	
H ₃ C OH H ₃ C CH ₃		HO HN N CI	
Br		HN CI	
HN Br OCH3	·	HN NH NH ₂	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference
H ₃ C O CH ₃	
H ₃ C O CH ₃	
H ₃ C CH ₃ S HN O NH H ₃ C	
NH ₂ O F N S F	
N H CI	
H ₃ C. _N .CH ₃	
CH ₃ CO N N N N N N N N N N N N N N N N N N N	

Structure	Reference
O N N N N N N N N N N N N N N N N N N N	
HO N N N N N N N N N N N N N N N N N N N	
H, OH NO N'CH3 H, C'NH	
F F	WO 9920624
N-N OH	
H ₃ C ON S NH NN	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
H ₂ N N N N O CI		н,с он	
F CH ₃ N N N N N N N N N N N N N N N N N N N)	
N N N N CI		H ₂ N, SO N N N N N N N N N N N N N N N N N N	
N N N N N N N N N N N N N N N N N N N		H ₃ C. O NH N	J. Med. Chem. 2001, 44, 3965- 3977
CI CH ₃		O H ₃ C O N N	
н ₃ с он		CI CI CI CI NO.CH3	J. Med. Chem. 2001, 44, 3965- 3977
		ON H3C.O CH3	J. Med. Chem. 2001, 44, 3965- 3977
CI H ₃ C OH		H,C,O	J. Med. Chem.2001, 44, 3965-3977

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
H ₃ C ₀ C ₁ C ₁ N ₁ N ₁ N ₂ C ₁ O ₁ N ₁ N ₁ N ₁ N ₂ C ₁ O ₁ N ₁ N ₁ N ₂ C ₁ O ₁ N ₁ N ₂ N ₂ O ₁ N ₁ N ₂ N ₃ N ₄ C ₂ O ₁ N ₁ N ₂ N ₃ N ₄ C ₂ O ₁ N ₁ N ₂ N ₃ N ₄ C ₂ O ₁ N ₁ N ₂ N ₃ N ₄ C ₂ O ₁ N ₂ N ₃ N ₄ N ₄ C ₂ O ₁ N ₄ N ₄ N ₅	J. Med. Chem.2001, 44, 3965-3977	H ₃ C.O N CH ₃	J. Med. Chem. 2001, 44, 3965- 3977
H ₃ C. O NH N	J. Med. Chem. 2001, 44, 3965-	HO N CH ₃	J. Med. Chem. 2001, 44, 3965- 3977
H ₃ C. O NH N	3977	H ₃ C O N CH ₃	J. Med. Chem. 2001, 44, 3965- 3977
H ₃ C N CH ₃	J. Med. Chem. 2001, 44, 3965- 3977	H ₃ C·O H _N CH ₃	J. Med. Chem. 2001, 44, 3965- 3977
H ₃ C O N N N N N N N N N N N N N N N N N N	J. Med. Chem. 2001, 44, 3965- 3977	H ₃ C.O H _N CH ₃	J. Med. Chem. 2001, 44, 3965-
H ₃ C.O	J. Med. Chem. 2001, 44, 3965- 3977	N CI	J. Med. Chem. 2001, 44, 3965- 3977
H ₃ C. O NH N	J. Med. Chem. 2001, 44, 3965- 3977	HN CH3	J. Med. Chem. 2001, 44, 3965- 3977
H ₂ C·O CI CI CI CH ₃	J. Med. Chem. 2001, 44, 3965- 3977	H ₃ C. O N N N	J. Med. Chem. 2001, 44, 3965- 3977

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
H ₃ C.O N O.CH ₃	J. Med. Chem. 2001, 44, 3965- 3977	H ₃ C,O,CH ₃	J. Med. Chem. 2001, 44, 3965- 3977
H ₃ C,O N O,CH ₃	J. Med. Chem. 2001, 44, 3965- 3977	H ₃ C. O N N N	J. Med. Chem. 2001, 44, 3965- 3977
H ₃ C.O N O CH ₃	J. Med. Chem. 2001, 44, 3965- 3977	H ₃ C, O N O CH ₃	J. Med. Chem. 2001, 44, 3965- 3977
H ₃ C O CH ₃	J. Med. Chem. 2001, 44, 3965- 3977	HN CH3	J. Med. Chem. 2001, 44, 3965- 3977
H ₃ C ₂ O N OH	J. Med. Chem. 2001, 44, 3965- 3977	H ₃ C, O CH ₃	J. Med. Chem. 2001, 44, 3965- 3977
H ₃ C,O N O,CH ₃	J. Med. Chem. 2001, 44, 3965- 3977	H ₃ C. O N N N N N N N N N N N N N N N N N N	
Br Cl H ₃ C.O N O.CH ₃	J. Med. Chem. 2001, 44, 3965- 3977	H ₃ C. O N CI	
H ₃ C, O		H ₃ C ₀ N CH ₃	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
H ₃ C·O CH ₃		H'C. N D D CHOOH	Chem. Biol. 1999, 6, 559 J. Biol. Chem. 1999, 276, 17420, WO 9822103
H ₃ C ^O ONNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN		NH ₂ CH ₃	Nature, 1998, 389, 990
CI NO CH ₃		O H H O H H H H H H H H H H H H H H H H	
Br CI HN CH ₃	·	HZ HZ N H	
H ₃ C CH ₃			
HN CH ₃		H ₃ C N	
H ₃ C·O H _N CH ₃		O H H Y H Y H Y H Y H Y H Y H Y Y H Y Y H Y Y H Y Y Y H Y	
HN CH ₃		, K	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
O ZH O ZH O		O N H O N H	
		O=S-N-H O=S	
		CH ₃ N-N-H O N-N-H O	
D T C C C C C C C C C C C C C C C C C C		CH ₃ P-N H	
		CH, O LL O	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
CH ₃		D T T T T T T T T T T T T T T T T T T T	
		H ₃ C O N H	
DH		HO H	
HZ HZ O H		O	
D T T O T T T T T T T T T T T T T T T T		H ₂ N H N N H N N H N N N N N N N N N N N N	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
P N N N N N N N N N N N N N N N N N N N		D T T T T T T T T T T T T T T T T T T T	
TZ C C C C C C C C C C C C C C C C C C C		O 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
O = S - N + H O = S - N + H N - H O = S - N + H N - H O = S - N + H N - H O = S - N + H N - H O = S - N + H N - H O = S - N + H N - H O = S - N + H N - H O = S - N + H N - H O = S - N + H N - H O = S - N + H N - H O = S - N + H N - H O = S - N + H N - H O = S - N + H N - H O = S - N + H N - H O = S - N + H N - H O = S - N + H N - H N - H O = S - N + H N - H N - H O = S - N + H N - H N - H O = S - N + H N - H N - H O = S - N + H N - H N - H O = S - N + H N - H N - H O = S - N + H N - H		O = N H N H N H O	
HO LE		H ₃ C, S, O ZH O	
CH ²		H ₂ N, S, O	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference .	Structure	Reference
HO, SO, H		H ₂ N H	
HO DE LO DE		H ₃ C, N-H O= S-N-H O= N-H O= N-H O= N-H	
H ₃ C O		HAN DE STATE OF THE STATE OF TH	·
H ₃ C CH ₃ O		0 HZ	
H ₃ C H			
		N TH	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
HO H3C CH3 H O O O O O O O O O O O O O O O O O O		O=S-N+ H ₃ C CH ₃	
CH3 O N-H		O H H H H H H H H H H H H H H H H H H H	
0 = S - H - H - N - H		HO	
H ₃ C NH O NH O NH H			
O = S - N H N-N H N-N H O = CH ₃		CH ₃	
	1	H ₃ C N O	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
CI CH ₃		O Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	
O = S - H O		2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2	
O = S + O + O + O + O + O + O + O + O + O +		D T T T T T T T T T T T T T T T T T T T	
O = ZH O		D H S H S H S H S H S H S H S H S H S H	
12		HZ 0	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
THE CONTRACT OF THE CONTRACT O		O O O O O O O O O O O O O O O O O O O	
O CH ₃ N H S H O S N H		O CH ₃	
O CH ₃ O CH ₃ N H		O CH ₃ O CH ₃	
DE NO OH OH OH OH			
SHOOTH OF THE STATE OF THE STAT			
S N N N N N N N N N N N N N N N N N N N		Y N	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
O N C H ₃		O=S-N-CH ₃	
S TH CH3		O=S-NH O=S-N-CH ₃	
S T T O T T		O S H	
O = S N N H		O S NH NH2	
OF SH		O P CH3	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
ON NH2		N N N N N N N N N N N N N N N N N N N	
0 \$=0 HN-CH ₃		N=	J. Med. Chem. 2001,44,4615
O S O O O O O O O O O O O O O O O O O O			J. Med. Chem. 2001,44,4615
NH OS CH3			J. Med. Chem. 2001,44,4615 J. Med. Chem.
S N N N N N N N N N N N N N N N N N N N		O' HN CH ₃ CH ₃ CH ₃	J. Med. Chem. 2001,44,4628
S N N N N N N N N N N N N N N N N N N N		HN. HN.	J. Med. Chem. 2001,44,4628

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
HA HN CI	-J. Med. Chem. 2001,44,4628	H ₂ C N N N	
H ₂ N N N N		O CH ₂ N	
H ₃ C, N N N N N N N N N N N N N N N N N N N		CH ₂ O HN Br	Proc. Am. Assoc. Can Res. 1999, 40, 117 & 121
H ₃ C.O N N N N N N N N N N N N N N N N N N N		F NH ₂	
HN Br		CH ₃ H ₃ C·N N CH ₃	
HN Br		CH ₃ HN N	Proc. Am. Assoc. Can. Res. 1999, 90, 69
H ₃ C H ₃ C Br		H,C N N N N N N N N N N N N N N N N N N N	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
H ₃ C O CH ₃ NH		HN Br H ₃ C N N N N	J. Med. Chem. 1995, 38, 3780
H ₃ C O CH ₃		CH ₃ HN Br	J. Med. Chem. 1995, 38, 3780
H ₂ N NH		H ₃ C-N N N N Br	J. Med. Chem. 1997, 40, 3915
H ₂ N NH NH NH O'CH ₃		H ₂ N N N NH CH ₃ H ₃ C CH ₃	
HN Br	J. Med. Chem. 1995, 38, 3780	H ₃ C N CH ₃ H ₃ C N CH ₃ H ₃ C N CH ₃	J. Med. Chem. 1998, 41, 4365
HN Br	J. Med. Chem. 1995, 38, 3780	O HN Br	J. Med. Chem. 1997, 40, 1820

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
O CI NH ₂ HN N N		H ₃ C'' NH O CH ₃	
		NH ₂ CH ₃	
H ₂ C N N N N F	J. Med. Chem. 1998, 41, 4196	NH ₂ O.CH ₃	
CI CH ₃ NH CH ₃ NH CH ₃ O-CH ₃		N N OH	
CI H-CH ₃		H³C·N N N N N N N N N N N N N N N N N N N	
N H O		NH ₂ N N N N N N C CH ₃	

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
NH ₂ HN H		CI NH N N N N N N N N	,
CI NH HN NH		N N S	Ann. N. Y. Acad. Sci. 1993, 696, 149
CI OH OH		N N N N N N N N N N N N N N N N N N N	
CI NH ₂		H ₂ N N N N N N N N N N N N N N N N N N N	
CI OH		H ₂ N N	
CI NH ₂		F F CH ₃	J. Med. Chem. 1996, 39, 5215

Table 2 (cont.): Inhibitors of kinases

Structure	Reference
CI OH	Proc. Am. Assoc. Can. Res. 1998, 39, 558.
O N N S CI F	J. Med. Chem. 2001, 44, 3417
HO N N N CH ₃	J. Biol. Chem. 1997, 272, 29207
H ₃ C,0 H ₃ N N N N N N N N N N N N N N N N N N N	WO 01/060816
H3C.0 N N N O CH3	WO 01/025220
H ₃ C N	

Structure	Reference
O CH ₃	Bioorg. Med. Chem. Lett. 2000, 10, 575-579
HO HN F	Bioorg. Med. Chem. Lett. 2000, 10, 567-569
NH ₂	·
NH ₂ CH ₃	Bioorg. Med. Chem. Lett. 2000, 10m 945-949
NH ₂ CH ₃	
он	Bioorg. Med. Chem. Lett. 2000, 10, 945-949

Table 2 (cont.): Inhibitors of kinases

Structure	Reference
NH ₂ CH ₃	Bioorg. Med. Chem. Lett. 2000, 10, 945-949
NH ₂ CH ₃	Bioorg. Med. Chem. Lett. 2000, 10, 945-949
H ₃ C CH ₃ H ₃ C CH ₃ N N H CI	Bioorg. Med. Chem. Lett. 2000, 10, 2047-2050
H ₃ C CH ₃ H ₃ C CH ₃	Bioorg. Med. Chem. Lett. 2000, 10, 2047-2050
H ₃ C CH ₃ N.N H CI O S CH ₃ O S CH ₃	Bioorg. Med. Chem. Lett. 2000, 10, 2051-2054

Structure	Reference
OH OH HO OH HO N N N N N N N N N N N N N	
OH OH HO HO HO HO HO HO HO HO HO HO HO H	Bioorg. Med. Chem. Lett. 1996, 6, 1759-1764
OH OH HO OH HO	Bioorg. Med. Chem. Lett. 1996, 6, 1759-1764
H ₃ C-N CH ₃	J.Biol.Chem. 1991,
o ch	266, 15771
HO N N	J. Med. Chem. 1991, 34, 1896

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
HO N CH3			
H ₃ C. _O N N	J.Med. Chem. 1994, 37, 2627	N NH	Bioorg. Med. Chem. Lett. 2001, 11, 1123-1126
CH ₃	J. Med. Chem. 1999, 41, 2588	NH ₂ CH ₃	Bioorg. Med.
CH ₃ O CH ₃ N	Bioorg. Med. Chem. Lett. 2001, 11, 693-696	NH ₂ OH	Chem. Lett. 2001, 11, 853-856
		O CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 853-856
F		NH ₂ OH	
H.C. N.		ONH ₂	Bioorg. Med. Chem. Lett. 2001, 11, 853-856
H ₃ C _{-O} NNN	Bioorg. Med. Chem. Lett. 1998, 8, 3111-3116		

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
NH ₂ N N N N N CH ₃	Bioorg. Med. Chem. Lett. 2001,	OH OH OH	Bioorg. Med. Chem. Lett. 2001, 11, 849-852
но	11, 853-856	NH CH ₃	
NH ₂ O. CH ₃			Bioorg. Med. Chem. Lett. 2001, 11, 840-852
H³C-0	Bioorg. Med. Chem. Lett. 2001, 11, 853-856	H ₃ C CH ₃ H ₃ C NH NF F	Bioorg. Med. Chem. Lett. 2001, 11, 1157-1160
NH ₂ OCH ₃		H ₃ C. O	
H ₃ C-O		Br NH ₂	
			J. Med. Chem. 2001, 44, 2133- 2138

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
H ₃ C CH ₃ N H ₃ C CH ₃ N N N N N N N N N N N N N N N N N N N	WO 01/37835	OH HN OH OCH ₃ CH ₃ CH ₃ CH ₃	J. Am. Chem. Soc. 2001, 123, 11586- 11593
H ₃ C-O	US 01/051620	22 CI	WO 01/072711
O.CHEH3 O.CH3	WO 01/087846	N CI	WO 01/058899
NH ON NH	WO 01/085719	HN CH ₃	WO 01/010859
	WO 01/085715	L L L L L L L L L L L L L L L L L L L	WO 00/059901

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
NH ₂ N H ₃ C CH ₃	Bioorg. Med. Chem. Lett. 2000, 10, 2167-2170	OH OH OH OH OH OH OH OH OH OH OH OH OH O	J. Am. Chem. Soc. 2001, 123, 11586- 11593
NH ₂		HO HO HO	Atherosclerosis (Shannon, Ireland) (2002), 160(1), 123-132.
		но он о он	
NH ₂	WO 00/017203	O=S=O NH	
H ₃ C	WO 00/017202	N N N O	
O NH ₂ H CH ₃ N CH ₃	WO 9962890	H ₃ C CH ₃	WO 01/066540
H-N	WO 9917769	H ₃ C CH ₃	WO 01/066539

Table 2 (cont.): Inhibitors of kinases

Structure	Reference	Structure	Reference
H ₃ C S O CH ₃ CCH ₃	US 6187799	HN CH ₃ O CH ₃	Biochem. Biophys. Res. Commun. 1987, 147, 322
H ₃ C N-O O	WO 99/32106	HN CH ₃ CH ₃	Biochem. Biophys. Res. Commun. 1987, 147, 322
H ₃ C CH ₃ HN H	33/32133	CH ₃	Biochem. Biophys. Res. Commun. 1987, 147, 322
0 F =	WO 99/32455	Br OH Br	Bioorg. Med. Chem. Lett. 2000, 10, 223-226
H ₃ C _O F HN H O CH ₃	WO 99/32436	H ₂ N OH Br	Bioorg. Med. Chem. Lett. 2000, 10, 223-226
HO N N N F F	WO 99/17759	OH Br	Bioorg. Med. Chem. Lett. 2000, 10, 223-226
H ₂ N O OH CH ₃	Biochem. Biophys. Res. Commun. 1987, 147, 322	O Br OH	Bioorg. Med. Chem. Lett. 2000, 10, 223-226

Table 2 (cont.): Inhibitors of kinases

Structure	Reference
H ₂ N OH Br	Bioorg. Med. Chem. Lett. 2000, 10, 223-226
CI OH Br	Bioorg. Med. Chem. Lett. 2000, 10, 223-226
H ₃ C. O Br	Bioorg. Med. Chem. Lett. 2000, 10, 223-226
CI OH	Bioorg. Med. Chem. Lett. 2000, 10, 223-226
O CI OH	Bioorg. Med. Chem. Lett. 2000, 10, 223-226
HO O O O O O O O O O O O O O O O O O O	Bioorg. Med. Chem. Lett. 2000, 10, 223-226
Br OH N H	Bioorg. Med. Chem. Lett. 2000, 10, 223-226
H ₃ C - S H	Bioorg. Med. Chem. Lett. 2000, 10, 461-464

Structure	Reference
H ₃ C $\stackrel{\circ}{\sim}_S$ $\stackrel{\circ}{\sim}_S$ $\stackrel{\circ}{\sim}_S$ $\stackrel{\circ}{\sim}_F$	Bioorg. Med. Chem. Lett. 2000, 10, 461-464
H ₃ C $\stackrel{\circ}{\sim}_S$ $\stackrel{\circ}{\sim}_C$ CI	Bioorg. Med. Chem. Lett. 2000, 10, 461-464
H ₃ C.0 N N N N N N N N N N N N N N N N N N	Bioorg. Med. Chem. Lett. 2001, 11, 1401-1405
CH ₃ HN N N O CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 1401-1405
HN Z N	Bioorg. Med. Chem. Lett. 2001, 11, 1401-1405
HN N N	Bioorg. Med. Chem. Lett. 2001, 11, 1401-1405
H ₃ C, O N N N HN CH3	Bioorg. Med. Chem. Lett. 2001, 11, 1911-1914

Table 2 (cont.): Inhibitors of kinases

Structure	Reference
H ₃ C OH HN N	Bioorg. Med. Chem. Lett. 2001, 11, 1911-1914
OH HN N N N N N N N N N N N N N N N N N	Bioorg. Med. Chem. Lett. 2001, 11, 1911-1914
HN N N N N N N N N N N N N N N N N N N	Bioorg. Med. Chem. Lett. 2001, 11, 1911-1914
ON H ₃ C _O NN	Bioorg. Med. Chem. Lett. 2001, 11, 1911-1914
H ₃ C, O N N	Bioorg. Med. Chem. Lett. 2001, 11, 1911-1914
HN N N N N N N N N N N N N N N N N N N	Bioorg. Med. Chem. Lett. 2001, 11, 1911-1914
H_3C H_3C O H_3C O	Bioorg. Med. Chem. Lett. 2001, 11, 1911-1914

Structure	Reference
CI F HN N	Bioorg. Med. Chem. Lett. 2001,
H³C O V N	11, 1911-1914
H ₃ C ₀	Bioorg. Med. Chem. Lett. 2001,
OH OH HN N N N N N N N N N N N N N N N N	11, 1911-1914 Bioorg. Med. Chem. Lett. 2001, 11, 1911-1914
CH ₃ OH HN N N N N N N N N N N N N N N N N N	Bioorg. Med. Chem. Lett. 2001, 11, 1911-1914
OH HN N	Bioorg. Med. Chem. Lett. 2001, 11, 1911-1914
OH HN N H ₃ C ₂ O	Bioorg. Med. Chem. Lett. 2001, 11, 1911-1914
H ₃ C H ₃ C S O H ₃ C CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C H ₃ C H ₃ C S O HN-CH ₃ CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C H ₃ C S O-CH ₃ CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 9-12

Table 2 (cont.): Inhibitors of kinases

Structure	Reference
H ₃ C H ₃ C S O N-CH ₃ CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C H ₃ C S O-CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C H ₃ C S N-CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C H ₃ C S O-CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C S NH ₂	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C S O O O O O O O O O O O O O O O O O O	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C H ₃ C S O O CH ₃ O CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C H ₃ C CI	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C H ₃ C O O O CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 9-12

Structure	Reference
H ₃ C H ₃ C H ₃ C O _{O-CH₃} C	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C H ₃ C O O CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H,C H O O-CH,	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C H ₃ C H ₃ C N O-CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C H H H C CI	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C H ₃ C CI	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H,C H C C C C C C C C C C C C C C C C C	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C H ₀ C H ₁ C H ₃ C H ₂ C H ₃ C	Bioorg. Med. Chem. Lett. 2001, 11, 9-12

Table 2 (cont.): Inhibitors of kinases

Structure	Reference
H,C H O O-CH,	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C N N N N N N N N N N N N N N N N N N N	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C N O O CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C N O O CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
H ₃ C H ₃ C O O CH ₃	Bioorg. Med. Chem. Lett. 2001, 11, 9-12
CI NH O OH	
ON NH O COOH	